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- (71) Applicant (*for all designated States except US*): DSM IP ASSETS B.V. [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): JACOBS, Martinus, Johannes, Nicolaas [NL/NL]; Justus Van Maurikstraat 4, NL-6416 EH Heerlen (NL). BEUGELS, Jean, Hubert, Marie [NL/NL]; Brikkebekker 74, NL-6372 DV Landgraaf (NL). BLAAUW, Marc [NL/NL]; Habsburgerplein 29, NL-6226 VZ Maastricht (NL).
- (74) Agents: BOOTSMA, J., P., C. et al.; DSM Intellectual Property, P.O. Box 9, NL-6160 MA Geleen (NL).
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(54) Title: PROCESS FOR THE MANUFACTURE OF A BALLISTIC-RESISTANT MOULDED ARTICLE

(57) Abstract: The invention relates to a process for the manufacture of a ballistic-resistant moulded article in which a stack of monolayers is formed, each monolayer containing unidirectionally oriented reinforcing fibres and at most 30 mass % of a plastic matrix material, the reinforcing fibres being highly-drawn polyethylene fibres, and with the fibre direction in each monolayer being rotated with respect to the fibre direction in an adjacent monolayer, the stack then being compressed at a pressure of more than 25 MPa and a temperature between 125 and 150° C, and the plastic matrix material having a 100% modulus of at least 3 MPa.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B29C70/20 B29C70/34 F41H5/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29C F41H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 00766 A (DSM NV ; LOO LEONARDUS LAMBERTUS HENRIC (NL)) 9 January 1997 (1997-01-09) cited in the application page 10, paragraph 7 - paragraph 12 page 6, line 34 - page 7, line 15	1-6



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Van Wallene, A

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